

## PATENT CLAIMS

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1. A liquid-permeable cover sheet (1, 201, 301) for an absorbent article such as a diaper (300), an incontinence protector, a sanitary towel or the like, which cover sheet comprises at least a first material layer, characterized in that the surface of the first material layer (2) essentially consists of polyethylene which has been treated with plasma or corona and in this way has a hydrophilic surface.

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2. A liquid-permeable cover sheet according to Claim 1, characterized in that the first material layer (2) consists of a nonwoven material, in which at least the surface of the fibres essentially consists of polyethylene.

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3. A liquid-permeable cover sheet according to the preceding claim, <sup>claim 2</sup> characterized in that the fibres are two-component fibres consisting of a core of polypropylene and a surrounding covering of polyethylene.

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4. A liquid-permeable cover sheet according to Claim 2, characterized in that the fibres are two-component fibres consisting of a core of polyester and a surrounding covering of polyethylene.

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5. A liquid-permeable cover sheet according to Claim 1, characterized in that the first material layer (2) consists of a perforated plastic film.

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6. A liquid-permeable cover sheet according to any of the preceding claims and further having a second material layer (204), characterized in that the surface of the second material layer (204) essentially consists of polypropylene.

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7. A liquid-permeable cover sheet according to Claim 6, characterized in that the second material layer (204) is a nonwoven material which essentially is made up of polypropylene fibres.

8. Absorbent article such as a diaper (300), an incontinence protector, a sanitary towel or the like, comprising an absorbent body (305) enclosed between a liquid-impermeable cover sheet (303) and a liquid-permeable cover sheet (301), which liquid-permeable cover sheet (301) comprises at least a first material layer (302), characterized in that the surface of the first material layer (302) essentially consists of polyethylene which has been treated with plasma or corona in order to obtain liquid permeability.

9. Absorbent article according to ~~the preceding claim~~ <sup>claim 8</sup>, characterized in that the liquid-permeable cover sheet comprises a second material layer (304) which has a material surface which essentially consists of polypropylene.

10. Absorbent article according to ~~the preceding claim~~ <sup>claim 9</sup>, characterized in that the first material layer (302) is situated nearest the absorbent body (305) and in that the second material layer (304) is situated farthest from the absorbent body (305).

11. Absorbent article according to Claim 9, characterized in that the second material layer (304) is situated nearest the absorbent body (305) and in that the first material layer (302) is situated farthest from the absorbent body (305).